

AKROMID® A28 LGF 50 1 black (6420)

PA66-GF50

Akro-Plastic GmbH

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	18000 / 14300	MPa	ISO 527
Stress at break	275 / 215	MPa	ISO 527
Strain at break	2 / 2.2	%	ISO 527
Charpy impact strength, +23°C	90 / 100	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	45 / 45	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	260 / *	°C	ISO 75-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	-

Other properties	dry / cond	Unit	Test Standard
Density	1570 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	320	°C	-
Mold temperature	100	°C	-
Injection pressure	75	MPa	-

Characteristics**Processing**

Injection Molding

Features

Fatigue Resistance, Long fiber reinforced

Delivery form

Black

Applications

Automotive

Special Characteristics

High impact or impact modified, Heat stabilized or stable to heat

Regional Availability

Europe, Asia Pacific